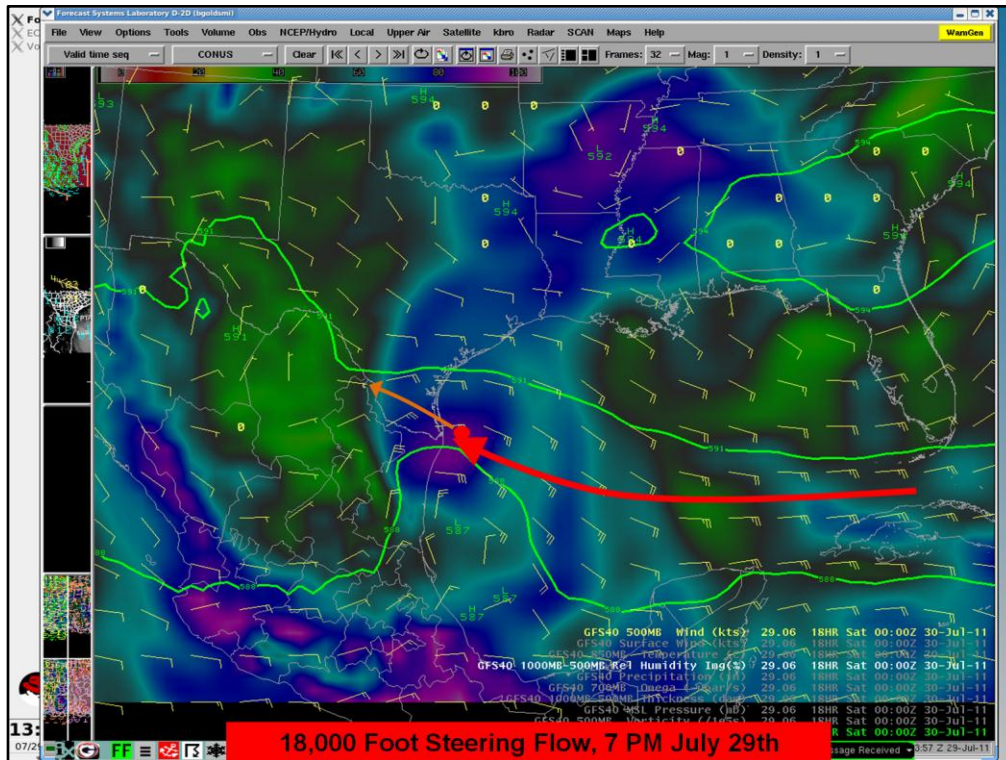


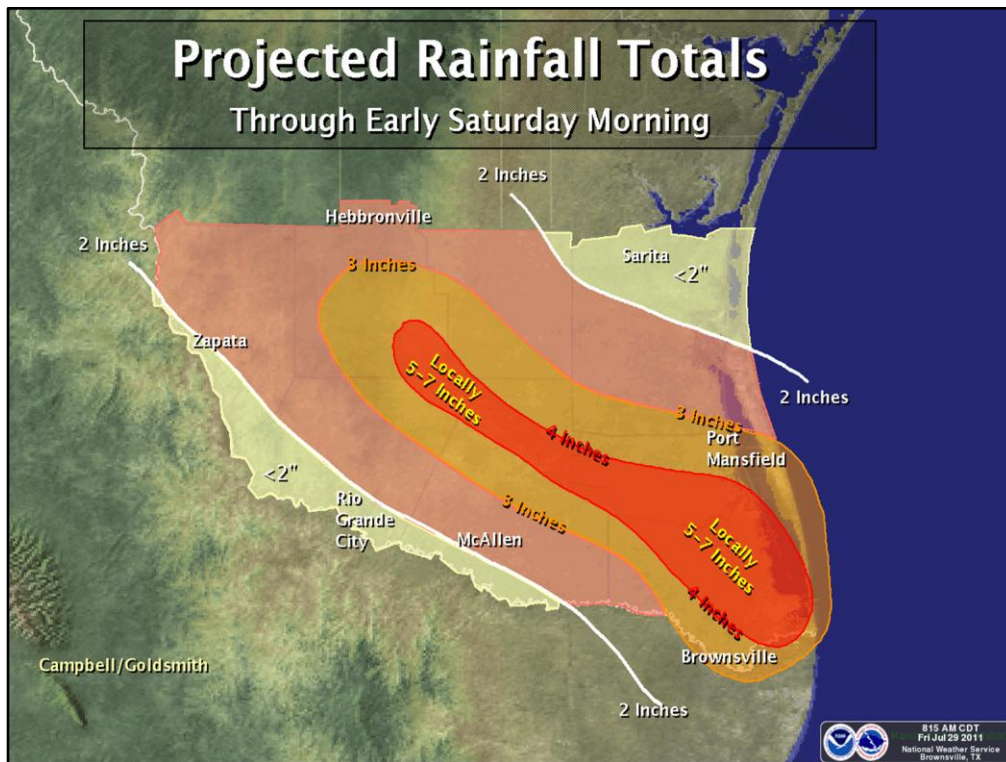
System is moving steadily toward Deep South Texas. Note that much of the “action” has been in the southern semicircle compared with the center location (red dot). This may shift back and forth through the afternoon, which is why the swath of heavy rain is expected to be in northern sections of the Rio Grande Valley Counties.

Tale of the Tape – 10 AM CDT

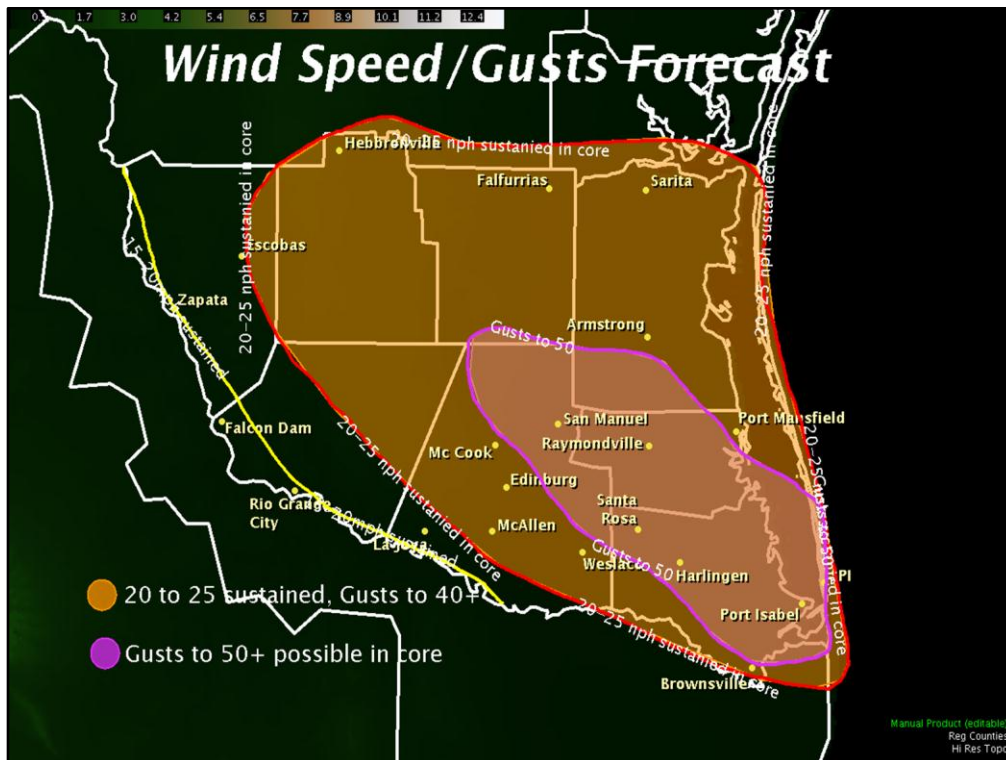
- **Caveat: The “Center” Means Nothing Now. Impacts are King!**
- Location, FWIW: 26.2N -94.9W, or 140 miles East of South Padre Island
- Movement: WNW/NW at 14 mph
- Intensity: Small core of 50-55 mph sustained winds. **Largest area of strong wind remains in the eastern semi-circle and includes the thunderstorm clusters in gusts.**
- Strongest winds remain elongated in this semicircle from north to south



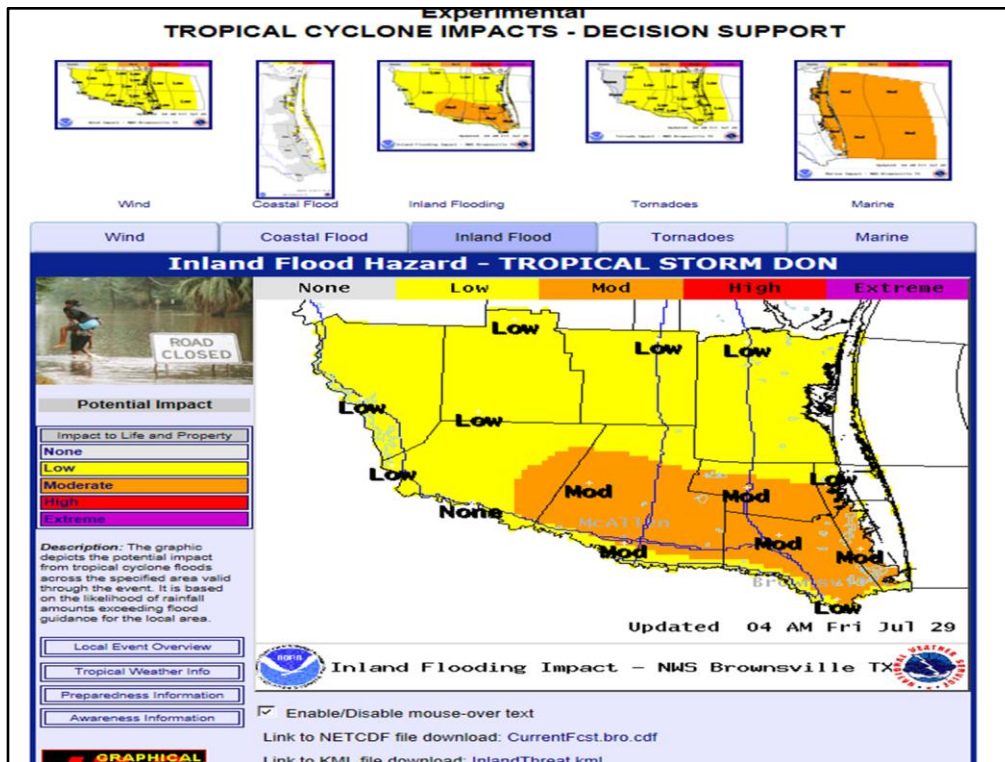
The mid and upper level atmospheric flow remains steady from the east, as indicated by the green lines being relatively close together for this time of year, and the wind field (yellow barbs). The late bend to the northwest is associated with the wave that is Don. In short, there is no indication of any slowdown; this event will generally last 12 hours from start to finish.



Rain and urban flooding are the key elements with Don. Note the fine line between 2 inches and 4 inches. The southern semicircle may shrink and expand from time to time, and the red area is where activity will be most concentrated.



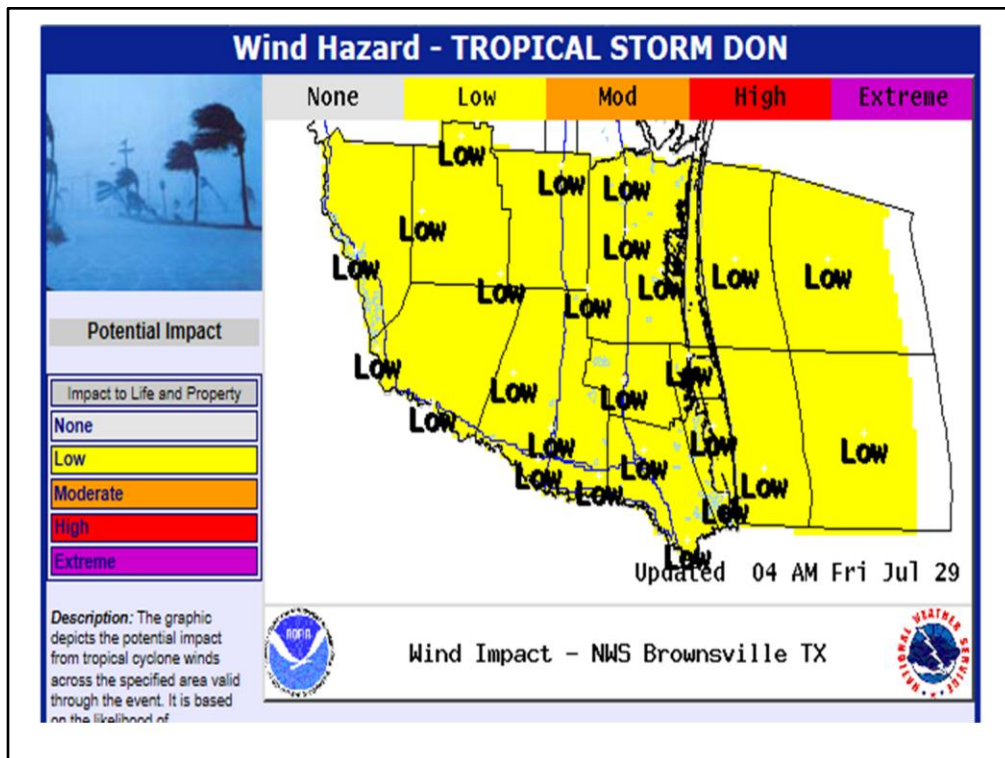
Wind gusts, too, will follow the strongest thunderstorm cells. There is very little time for the center of Don to intensify, thus any core winds above 35 mph at landfall along the Kenedy/Willacy County coast will quickly drop below sustained tropical storm force. Gusts matter, however, and 40+ mph gusts are expected in the orange/brown colored area, with a few 50+ mph gusts in the peach colored area. The strongest cells may push out a 60 mph gust.



We've added moderate impact for inland flooding in an area that combines the highest rain forecast with the highest urban populations. Even 2 to 4 inches of rain in McAllen-Weslaco can be a significant flood threat for some communities, particularly where infrastructure for drainage cannot handle downpours. On the top of the slide, note the moderate impact for marine interests. This will mainly be from a period of gale force sustained winds with near storm force gusts, along with seas briefly building to or above 12 feet, particularly north of Port Mansfield.

Low	<p>Threat - An elevated threat to life and property; the likelihood for higher rain totals to approach flash flood guidance.</p> <p>Minimum Action - Prepare for damage consistent with very minor inland flooding.</p> <p>Potential Impact - Residents can expect nuisance flooding of roads with poor drainage. Ponding will occur elsewhere. Known intersections with very poor drainage may have water levels of 1 to 2 feet. Other poor drainage areas will have water rises up to 1 foot. Urban Flood Advisories may be needed.</p>
Moderate	<p>Threat - A significant threat to life and property; the likelihood for higher rain totals to exceed flash flood guidance.</p> <p>Minimum Action - Prepare for damage consistent with minor to moderate inland flooding.</p> <p>Potential Impact - Residents can expect widespread flooding, especially in poor drainage locations. In these areas, minor to moderate property damage is expected, and several main thoroughfares may be closed. Known intersections with very poor drainage may have water levels up to 2 to 4 feet. Other poor drainage areas may have water rises up to 2 feet. Levels will rise up to 1 foot elsewhere.</p> <p>Most small streams and arroyos will approach, or possibly exceed, bank full.</p>

This slide shows what Low and Moderate means, for Inland Flood Impact.



Potential wind impact has been raised to “Low” for all areas. This matches closely with the tropical storm warning area, which covers nearly all of Deep South Texas. While sustained winds are expected to peak in the 20 to 25 mph range (perhaps 30 to 35 mph over the King Ranch), gusts above 40 mph in all areas have the potential to produce minor damage, as specified on the following slide.

None	<p>Threat (limited, or no, impact) - No discernable threat to life and property; winds to remain below tropical storm-force (39 mph), but windy conditions may still be present.</p> <p>Minimum Action - Evaluate personal and community disaster plans and ensure seasonal preparedness activities are complete.</p> <p>Potential Impact - Wind damage is not expected; impact should be negligible.</p>
Low	<p>Threat - An elevated threat to life and property; the likelihood for moderate tropical storm force sustained winds (39 to 57 mph) with gusts from 58 to 73 mph.</p> <p>Minimum Action - Prepare for minor to locally moderate wind damage.</p> <p>Potential Impact - Winds will be capable of causing damage to unanchored mobile homes, porches, carports, and awnings; some shingles blown from roofs. Large branches break off trees; some shallow-rooted and diseased trees blown down. Loose objects are easily blown about and become dangerous projectiles. Winds dangerous on bridges and causeways, especially for high profile vehicles. Scattered power outages, especially in areas with above ground lines.</p>

Definitions of “None” and “Low” potential impact for wind. Note the term “potential”. As certainty in the forecast increases, potential becomes “expected” impact. In this case, the impact of the Low area will come from gusts, particularly from western Hidalgo through southern Zapata County.

Timing

- Cameron/Willacy:
 - Onset of pre-bands: Late morning-early afternoon
 - Core: 2-4 PM until 10 PM-Midnight
 - Back end bands: Through 2-4 AM Sat.
- Hidalgo/Brooks:
 - Onset of pre-bands: Noon-mid afternoon
 - Core: 4-6 PM until Midnight-2 AM Sat.
 - Back end bands: Through 4-6 AM Sat.
- Rio Grande Plains:
 - Onset of pre-bands: Mid afternoon
 - Core: 6-8 PM until 2-4 AM Sat
 - Back end bands, if any: Ending by sunrise or so Sat.

The Bottom Line

- **Rain:** #1 Threat. 3 to 5 inches, locally 7 in stronger core cells. Urban Flooding Likely, Isolated Life-Threatening Flooding in worst drainage areas if 7" falls there.
- **Wind:** In core of storms and "tail" well south of center: Gusts could exceed 50 mph, causing minor damage to poorly built structures, some trees/limbs. Move loose items indoors immediately! In pre-bands, gusts could reach 40 mph.
- **Surge:** No threat. Waves will be a tempest in a teapot for 6 to 12 hours Laguna and Gulf.
- **Rip Current:** Threat increasing to High this afternoon and overnight. Residual current could make Saturday very dangerous with sun coming out and more people back on the beach.
- **Tornado:** Isolated tornadoes possible this afternoon near coast/early evening inland in outer bands.
- **River:** A slight rise but no flooding expected. Arroyo Colorado (Harlingen) will also rise sharply but stay well below levee.

Rip Current is the biggest threat to people. Most important since SPI is at peak vacation season until early August.

